RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10534,128

Source: IEWP

Date Processed by STIC: 8/14/06

ENTERED

IFWP

RAW SEQUENCE LISTING   DATE: 08/14/2006
PATENT APPLICATION: US/10/534,128   TIME: 12:28:12

Input Set : E:\SEQ LISTING.txt
Output Set: N:\CRF4\08142006\J534128.raw

```
      1 <110> APPLICANT: KOREA CHUNGANG EDUCATIONAL FOUNDATION
      3 <120> TITLE OF INVENTION: Plant seed-specific expression promoter derived
from sesame and
      4        seed-specific expression vector comprising the promoter
      6 <130> FILE REFERENCE: Gn14288
C-->  8 <140> CURRENT APPLICATION NUMBER: US/10/534,128
C-->  8 <141> CURRENT FILING DATE: 2005-05-06
      8 <150> PRIOR APPLICATION NUMBER: KR 10-2002-0069589
      9 <151> PRIOR FILING DATE: 2002-11-11
     11 <160> NUMBER OF SEQ ID NOS: 3
     13 <170> SOFTWARE: KopatentIn 1.71
     15 <210> SEQ ID NO: 1
     16 <211> LENGTH: 3102
     17 <212> TYPE: DNA
     18 <213> ORGANISM: Sesamum indicum
     20 <220> FEATURE:
     21 <221> NAME/KEY: 5'UTR
     22 <222> LOCATION: (1)..(1746)
     24 <220> FEATURE:
     25 <221> NAME/KEY: intron
     26 <222> LOCATION: (149)..(1722)
     28 <220> FEATURE:
     29 <221> NAME/KEY: 3'UTR
     30 <222> LOCATION: (2899)..(3102)
     32 <400> SEQUENCE: 1
     33
aacgccactc aaatatttca ccaccaccac caccagaaca ttcagaaaca agaaataaac      60
     35
acacacacac tataaaacag ttcttgcgaa agaaggaaag cgcttccgca gaagtgcttt     120
     37
cacgcgattt ctccttccaa gttttcaggt aacgtgcccc cttttctctt ctcttctatt     180
     39
ctcttttctc ataattcatg atcaatcttt gagtattttg gtgtttgtgt gtctcaagaa     240
     41
aaccgcattt ttattttctt gcaatggtgt ctttatttcc tgtcgttttt ttcagctatt     300
     43
aatgttcttt tgatgtagat gaggtttaat cgtatgttct tgagctgcat tacctgatga     360
     45
ttcatggatc tgaggaatgt atgcgatttt ttatttttgt tttatttttt ggtgggcttt     420
     47
cccaagaaga atctatttgg ggttattctt gtgtggtttg gtgcaaatct ttggatttta     480
     49
cgcagtattg gtgtctggac cacatgattg tgtcatttat atttggattt tgtctttatc     540
     51
```

```
tttgtatgca tgtgggatgc aggaagaaaa aactgtggta aatgtctttg aagagattga        600
     53
tttagcatat atacaaggtt gcctgggctt cagttttgat gattttgatg tacattgtgg        660
     55
agatttgatg ggttgcatgt ggctcaaatc ttcttgtaag atttgttttt tgtccaaaaa        720
     57
atttgggatt tttccacttt tattgaacag tagatctttt cctgtttcaa cccaaaagtt        780
     59
atttcggttt gaagttttac atcatagata taattagtaa taaatttcgg ttaggtccgt        840
     61
aaagaatcat taattacatc aattaatatt gtttaatgta caaaaagagg gaatttatgg        900
     63
tgatatctat gaagccatgc tatgcctggc tggaattccg tcgatgaaaa agacagattc        960
     65
cggtgtgtgg tagatttcac tgttagtgaa taccccactt caaagaacgg tgctgattca       1020
     67
actgctctag tcctcaggat tttagtacta cttgtttgct gtttggaaca catggctgaa       1080
     69
aataaatgtc tgcttttcga ccttggcgct tagagaattt actaccacat ctcattttta       1140
```

```
      71
gcatcccaac gatgatttct gctgtcagaa tgaatgaatt gactaagagc aactcggtta      1200
      73
tttgagattg aattggttgt ttgtgattgt tgttgatttg tttttgtcgt tatgatcttt      1260
      75
tgaggtattc gccatacaat gctgatacta gtcgttgtga ttttccggta tatgtatttg      1320
      77
tgacgtatcg ttctgtagtt tggtaactaa tagaatgcat gtggtggtaa ctaatagaat      1380
      79
gcatgttgta gtaacaaatg cacattgtag attctcgtgg atttttcggg tgttcgttac      1440
      81
cagcacattg ccgattctgg tatgattttt gtcgtgttca ttgtttagtt gcctttcttg      1500
      83
gctgccacta tttcattgag aatgtaggac gttgttcgat gcaaaagaac ttttgccgac      1560
      85
tagaatgcag gtggcaatct ggaatctcct attatgggag gaactactgt aattgggagg      1620
      87
ttttgattca gacaatctag taacagtcta gaagctactt tgcctttaaa tctcaatgac      1680
      89
cttaaacgcc atgatggaga catttgaatc catgttttgc aggtaaattg ggggcggctt      1740
      91
gacaaaatgg gagccggagg acgcatgtct gatccaacaa cgaaagacga acaaaagaag      1800
      93
aaccccctcc aacgggtgcc ttacgcaaag cctccattca cactcggtga catcaagaag      1860
      95
gccattccac cacactgctt cgagagatcc gtcagccgtt cgttctccta tgtcgtttac      1920
      97
gatctcgtca ttgttttcct tctctactac attgcgactt cttacttcca tctgctgcca      1980
      99
tccccatact gctacctagc ttggcccatt tactgggctg tacaaggctg cgtttgcacc      2040
     101
ggaatctggg tcattgccca tgaatgtggc caccatgcat tcagcgatta ccagtggctt      2100
     103
gacgcacacag ttggcctcat cctgcactct gccctgctcg tgccctattt ctcatggaaa      2160
     105
tacagccacc gccgccacca ctccaacact ggatcccttg agcgtgacga agtcttcgtc      2220
     107
ccaaagccaa aatccagagt ctcgtggtac tccaaatact tgaacaatcc acttggcaga      2280
     109
gtcatcacac ttgtggttac tcttactctc ggttggcctc tatacttgct gtttaatgtc      2340
     111
tctggcaggc cttacaaccg ttttgcatgc cactttgacc catatggtcc aatatataat      2400
     113
gaccgtgaga gacttcaaat cttcatctcc gatgctggta taattgctgc tgtatgtgtg      2460
     115
ctttatcgtg ttgctttggt caaagggttg gcttggctgg tatgtgttta tggggtaccg      2520
     117
ttactcattg tcaacggttt ccttgttttg atcacattcc ttcagcacac tcacccttcg      2580
     119
ttgccgcact atgattcttc cgagtgggac tggctaaggg gagctcttgc aactgtcgac      2640
     121
agagattatg gggtgctaaa taaggtgttc cataacatca cagatacgca cgtgactcac      2700
     123
```

```
cacctttttct caacgatgcc acattaccat gcaatggagg caactaaggc aatcaagccc      2760
     125
atactgggcc agtattatca gtttgatgga accccgtttt acaaggcgat gtggagggag      2820
     127
gcaaaggaat gtctgtatgt cgagccagac gagagtactc cagacaaggg tgtattctgg      2880
     129
tacaagaaca agttctgaag ccgaataaca tgtggttagt gaaaatggcg tcttcttatt      2940
     131
ttgtcctatg gagatggagg aacatcatca tgtttttcttt ttcttcttat aagatgcgtc      3000
     133
ctttgttagt gtattctctg catgtaataa aataaacttc tacccgaaac cttgtctgtg      3060
     135
ctggtcggat tctagttctg caataaattg tcaagtttag tg                        3102
     138 <210> SEQ ID NO: 2
     139 <211> LENGTH: 383
     140 <212> TYPE: PRT
     141 <213> ORGANISM: Sesamum indicum
     143 <400> SEQUENCE: 2
     144 Met Gly Ala Gly Gly Arg Met Ser Asp Pro Thr Thr Lys Asp Glu Gln
     145   1               5                  10                  15
     147 Lys Lys Asn Pro Leu Gln Arg Val Pro Tyr Ala Lys Pro Pro Phe Thr
     148              20                  25                  30
     150 Leu Gly Asp Ile Lys Lys Ala Ile Pro Pro His Cys Phe Glu Arg Ser
     151          35                  40                  45
     153 Val Ser Arg Ser Phe Ser Tyr Val Val Tyr Asp Leu Val Ile Val Phe
     154      50                  55                  60
     156 Leu Leu Tyr Tyr Ile Ala Thr Ser Tyr Phe His Leu Leu Pro Ser Pro
     157  65                  70                  75                  80
     159 Tyr Cys Tyr Leu Ala Trp Pro Ile Tyr Trp Ala Val Gln Gly Cys Val
```

```
       160                  85                  90                  95
       162 Cys Thr Gly Ile Trp Val Ile Ala His Glu Cys Gly His His Ala Phe
       163              100                 105                 110
       165 Ser Asp Tyr Gln Trp Leu Asp Asp Thr Val Gly Leu Ile Leu His Ser
       166         115                 120                 125
       168 Ala Leu Leu Val Pro Tyr Phe Ser Trp Lys Tyr Ser His Arg Arg His
       169     130                 135                 140
       171 His Ser Asn Thr Gly Ser Leu Glu Arg Asp Glu Val Phe Val Pro Lys
       172 145                 150                 155                 160
       174 Pro Lys Ser Arg Val Ser Trp Tyr Ser Lys Tyr Leu Asn Asn Pro Leu
       175                 165                 170                 175
       177 Gly Arg Val Ile Thr Leu Val Val Thr Leu Thr Leu Gly Trp Pro Leu
       178             180                 185                 190
       180 Tyr Leu Leu Phe Asn Val Ser Gly Arg Pro Tyr Asn Arg Phe Ala Cys
       181         195                 200                 205
       183 His Phe Asp Pro Tyr Gly Pro Ile Tyr Asn Asp Arg Glu Arg Leu Gln
       184     210                 215                 220
       186 Ile Phe Ile Ser Asp Ala Gly Ile Ile Ala Ala Val Cys Val Leu Tyr
       187 225                 230                 235                 240
       189 Arg Val Ala Leu Val Lys Gly Leu Ala Trp Leu Val Cys Val Tyr Gly
       190             245                 250                 255
       192 Val Pro Leu Leu Ile Val Asn Gly Phe Leu Val Leu Ile Thr Phe Leu
       193             260                 265                 270
       195 Gln His Thr His Pro Ser Leu Pro His Tyr Asp Ser Ser Glu Trp Asp
       196         275                 280                 285
       198 Trp Leu Arg Gly Ala Leu Ala Thr Val Asp Arg Asp Tyr Gly Val Leu
       199     290                 295                 300
       201 Asn Lys Val Phe His Asn Ile Thr Asp Thr His Val Thr His His Leu
       202 305                 310                 315                 320
       204 Phe Ser Thr Met Pro His Tyr His Ala Met Glu Ala Thr Lys Ala Ile
       205                 325                 330                 335
       207 Lys Pro Ile Leu Gly Gln Tyr Tyr Gln Phe Asp Gly Thr Pro Phe Tyr
       208             340                 345                 350
       210 Lys Ala Met Trp Arg Glu Ala Lys Glu Cys Leu Tyr Val Glu Pro Asp
       211         355                 360                 365
       213 Glu Ser Thr Pro Asp Lys Gly Val Phe Trp Tyr Lys Asn Lys Phe
       214     370                 375                 380
       219 <210> SEQ ID NO: 3
       220 <211> LENGTH: 660
       221 <212> TYPE: DNA
       222 <213> ORGANISM: Sesamum indicum
       224 <220> FEATURE:
       225 <221> NAME/KEY: promoter
       226 <222> LOCATION: (1)..(660)
       227 <223> OTHER INFORMATION: promoter of microsomal oleic acid desaturase
coding gene
       230 <400> SEQUENCE: 3
       231
catatgtgaa atgtaatgga aaatgcgaca agaattgcaa tagagaaaat ccaatttgca         60
       233
gagattacat gaaaagaatt tgtacaaata gcatatatat gttaaaatga aatgggacat        120
       235
gccacattat gtggaataaa aaagacaatt tgcttggaat taattataga ataaatgtgt        180
```

RAW SEQUENCE LISTING   DATE: 08/14/2006
PATENT APPLICATION: US/10/534,128   TIME: 12:28:12

Input Set : E:\SEQ LISTING.txt
Output Set: N:\CRF4\08142006\J534128.raw

```
          237
tacatttaat atgtgattaa tcactttttt tgaattgtac atctatcaca tgacaagttc         240
          239
attatatttg acatataatt tgtttatgtc tagtcaagcc taattaaatt tctcggaaag         300
          241
cacaaaattt ttttgtccta accaggtttg aacaaccaaa caaatcacaa agcaggtgta         360
          243
tcgcacttgc gatgtgatcg gtcacttttt ctaaattgta catcattcac acgacaactg         420
        · 245
tattgtgctc caagttcaat tgagtgcggt tggagctata atttccttga acacacaatg         480
          247
tggaatgtgc acactccatg tgggccaatg agcggatgac acgtggcggg caacttacct         540
          249
cgttacgttg aggcatgcat gaaaggggga tctcttgagg tggaggggtg ggggcggggg         600
          251
ttggggggggg gccctcctc agacaggtct atatttatga gacctcgtaa ggcagaacgc         660
          253
                                                                          660
```

VERIFICATION SUMMARY   DATE: 08/14/2006
PATENT APPLICATION: **US/10/534,128**   TIME: 12:28:13

Input Set : **E:\SEQ LISTING.txt**
Output Set: **N:\CRF4\08142006\J534128.raw**

L:8 M:270 C: Current Application Number differs, Replaced Current Application No
L:8 M:271 C: Current Filing Date differs, Replaced Current Filing Date